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# Utah Watershed Review

Vol. 10, No. 2

Utah's Nonpoint-Source Water-Quality Newsletter

July 2002

## Dry, Dry, Dry!

### Drought Concerns Worsen as 2002 Progresses

By Jack Wilbur  
Editor, Utah Watershed Review

Once the 2002 Winter Olympics ended Utahns began again thinking on more mundane, on-going matters such as state budget shortfalls and the three-year drought.

By the end of March it was very apparent by somewhat below average snowpack numbers that the drought was carrying over into a fourth year and that the beautiful snow on the mountains visible for millions of television viewers worldwide to see was not enough to reverse the trend.

What follows is an incomplete chronologic overview of drought news during the first half of 2002.

#### April

Early in the month new public service announcements featuring Utah Governor Michael O. Leavitt asking Utahns to conserve water begin showing up on radio and television.

On April 22 a pair of popular newspaper columnists, Paul Rolly and JoAnn Jacobsen-Wells run a follow-up column to one run earlier in the month naming public government agencies and business that were watering during the voluntary restriction hours. The earlier column named about a dozen violators. Readers then reported an additional 60 or so violations of the voluntary initiative.

Two days later Gov. Leavitt signed an executive order officially declaring the Utah in a state of drought emergency. At the same time he declared a statewide agricultural disaster.

The declaration activated the state's emergency-response agency and set in motion bureaucratic mechanisms for the state to receive federal disaster-relief aid.

Meanwhile, ranchers in San Juan County were asking the federal government for permission to turn their cows loose on lands set aside for conservation.

"If we don't get some relief down here, we're in a lot of trouble," said Lynn Adams, a rancher from Monticello who owns about 300 head of cattle.

#### May

Despite repeated public pleas for residents to use less water, Salt Lake City issued city resident John Blumenthal a citation for installing a combination of pumice stone, rock cairns and perennial plants in the parking strip at his home. The "natural" landscape is designed to reduce water consumption.

But the problem is the city has a strict ordinance about what can and can't be placed on the parking strip between the sidewalk and the street. The city ordinance says that at least 33 percent of the parking strip must be covered with vegetation. Violators can expect to pay a fine of \$25 a day once the grace period ends following the citation being issued.

Sensing a public relations debacle at hand, the mayor spokesperson, Josh Ewing, quickly got into the act.

"Citing this person is totally against the message we're trying to send, which is to encourage people to use low-water landscape. The mayor has done a low-water landscape as well," Ewing said.

In mid May San Juan County ranchers and community leaders met in Monticello with representatives of federal and state agencies that could provide some relief from

four years of drought capped off by extremely low snowpack last winter and below-average spring rainfall.

Representatives from the Bureau of Reclamation, Farm Service Agency, Utah Department of Agriculture and Food and Utah Department of Natural Resources took part in the meetings.

Also in mid May the Utah Division of Wildlife Resources (DWR) sent letters to water companies throughout the state reminding them that the agency has purchased water rights on many reservoirs to protect fish during drought years.

"We intend to hang on to that water for the conservation purposes it was purchased for," said Tom Pettengill, DWR sport fishing coordinator. "If it got to where it was essential for culinary purposes for people, we would give it up. We won't give it up for livestock or crops."

In late May Uintah County became the 13th of 29 counties in Utah to declare a state of emergency due to the drought. Ashley Creek was running at less than 10 percent of normal for that time of year and Agriculture was already starting to be severely impacted.

Finally, at the end of the month, U.S. Agriculture Secretary Anne M. Veneman announced the early authorization of emergency grazing on Conservation Reserve Program acres to provide drought relief in San Juan County.

CRP is a voluntary program that offers annual rental payments and cost-share assistance to conserve land. The Secretary's announcement allowed approved CRP participants to graze their livestock on CRP acreage, to help offset problems caused by the drought.

See "Drought" Page 2

### 2002 Utah NPS Conference Set

Because October 2002 marks the 30th Anniversary of the Clean Water Act, the 2002 Utah Nonpoint Source (NPS) Water Quality Conference will focus partially on accomplishments and the future of water quality programs in Utah.

Set for Vernal, Utah near the end of September, the meetings will be a mix of federal, state, local perspectives on water programs.

Among the notable invited speakers is the new EPA Regional Administrator from Denver, CO, Robbie Roberts. Don Ostler, director, Utah Division of Water Quality, and Kevin Brown, director, Utah Division of Drinking Water will offer state perspectives on water quality.

The second day of the conference will feature a half-day tour of water projects in the Vernal area. The Ashley Valley Water Treatment Plant, the Chew Ranch, and the Vernal Wastewater Treatment Plant are all on the agenda for the tour.

For more information of conference costs, presentations, and accommodations, see the last three pages of this publication or call Virginia Sligting: (801) 538-7175.

**More Conference Details, pages 6-8**

## Highlights

**New Job Open: Grazing Land Resource Coordinator.....page 2**

**2002 Utah NPS Conference Call for Awards Nominations.....page 3**

**Wrapup: 2002 WOW Camps.....pages 4**

**Hidden Hollow Anniversary.....page 5**

**NPS Conference Info.....Pages 6-8**

"Drought" continued  
June

Wildfires in the West become a reality. First in Colorado, then Arizona and before the end of the month Utah and several other states had gotten into the act.

The month began with Wasatch Front canyon residents cutting back vegetation and doing whatever they could to protect their homes and property from fire.

While a canyon between Springville and Provo was the only wildfire along the Wasatch Front and no homes were destroyed, several homes were evacuated over night. Other fires around the state caused the evacuation of small towns, burned campsites and vehicles and threatened other structures. In all, more than 150,000 acres of Utah forest and wild land had burned by month's end.

Meanwhile, non-fire-related water woes continued around the state.

In early June PacifiCorp asks for and was granted a permit to dredge a channel in Bear Lake so water could be pumped to farmers downstream. Lakeshore homeowners, who sued the utility in the mid-1990s over a similar plan, were not likely to oppose the necessary move this time.

In issuing the permit, The U.S. Army Corps of Engineers required PacifiCorp to construct and maintain a channel across the dry lake bed to St. Charles Creek, allowing passage of Bonneville cutthroat trout.

New information about how severe the drought is getting in the western U.S. was released in June. Portions of southeast Utah, southwest Colorado, northern New Mexico and northern Arizona are classified as D-4, or in a state of exceptional drought, according to the National Drought Mitigation Center in Nebraska.

According to long range meteorologic charts, the drought will remain severe in the region at least through the summer and fall. Ultra long range predictions for the winter of 2002-03 has the drought situation improving somewhat.

By early July, Utah was deep in the middle of wildfire season. As many as ten fires were burning at once and nearly 200,000 acres of land had burned. Though Utah still lagged behind Colorado and Arizona for total acres burned, it was still shaping up to be the worst fire season in recent history.

New Grazing Land Resource  
Planner Position Available

Summer 2002  
Position Opening Announcement  
Grazing Land Resource Planner

Employer: **Utah Association of Conservation Districts**  
Utah Grazing Lands Conservation Initiative (GLCI)/Utah Grazinglands Network (UGN) to provide program direction

**Position Purpose:** Improve Utah's grazing lands and their societal image through information, education, and project fund procurement and application to the land.

- Qualifications:
- ✓ M. S. or B.S. and equivalent experience [background] in Range Management, Wildlife Management, Animal Science, Ecology, or other fields related to the purpose of the position.
  - ✓ Applicant must have a deep respect and love for, and be motivated by, grazing land and natural resource management and improvement.
  - ✓ Successful experience in grant acquisition through grant writing, fund leveraging, and partnership formation.
  - ✓ Impeccable integrity, fiscally responsible, politically savvy.
  - ✓ Must be a respected advocate for agriculture, wildlife values, clean water, conservation ethic and open-space.
  - ✓ Excellent communication [written & verbal], interpersonal, and public relations skills. Ability to interact with a diverse community.
  - ✓ Knowledge of, and interest in, various alternative mechanisms for protecting agricultural land and open space. [Helpful/Preferred].
  - ✓ Experience as a facilitator for "Coordinated Resource Management" teams. [Helpful/Preferred].

Responsibilities:

- ◆ Solicit project funding through grants/proposals from private foundations and public programs
- ◆ Know and understand the mission, goals, and funding protocol of all private, public, and government organizations that desire to invest in and improve grazing lands and related resources.
- ◆ Develop trust and productive

- working relationships with these organizations, and UGN partners.
- ◆ Coordinate existing related agency technical resources.
  - ◆ Provide information to resource management professionals [public, private, and agency], landowners, and land managers, on available program funding and partnerships to improve grazing lands, habitat, and other natural resources.
  - ◆ Develop effective working relationships with the best natural resource managers and planners.
  - ◆ Working through USU Extension, promote an effective information and education campaign on conservation successes and needs.
  - ◆ Evaluate technical reports, data, and professional advice to UGN and landowners.
  - ◆ Promote partnership research projects that will improve the management of Utah's grazing lands and natural resources.
  - ◆ Facilitate CRM.
  - ◆ Concentrate on methods to defuse controversy over resource management by developing broad-based support for proactive, innovative, long-term resource solutions, defensible with data.
- Please send cover letter, resume, and salary history to:  
Utah Association of Conservation Districts  
1860 N. 100 E. North Logan, UT 84341 Or E-mail to:  
[gordon-younger@ut.nacdn.org](mailto:gordon-younger@ut.nacdn.org)

Utah To Celebrate  
Clean Water Act 30th  
Anniversary

America's Clean Water Foundation is working with the Utah Department of Environmental Quality to organize a celebration for the 30th anniversary of the 1972 Clean Water Act. October will be designated as Clean Water Month and, in addition to volunteer water quality monitoring and stream restoration events around the nation, the foundation is sponsoring a Youth Summit to be held October 6-10 at the Smithsonian Environmental Research Center in Edgewater, Maryland. Ty Robinson, a Provo High School Science Teacher, has been chosen to represent Utah along with four students at the summit. The team is spending their summer assessing the water quality of the Provo River Watershed that is a source of drinking water for citizens along the Wasatch Front. The student team is comprised of Peter Ririe, Gregory McFarlane, Laura Durrant, all of Provo and Reagan Munn of North Ogden. Mr. Robinson has a Geology Masters Degree from Brigham Young University and teaches Geology and AP Environmental Science courses. He has been involved with water quality and flooding projects and participated in groundwater studies throughout Utah.

Utah Watershed  
Review

Editor .....Jack Wilbur

Editorial Review

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If you would like to request an additional copy, make a comment or suggest a story or watershed focus idea, please call **Jack Wilbur** (801) 538-7098. Or write:

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Workshops Promote Quality Growth

Several Envision Utah workshops have been held in communities around the state. The purpose of the workshop is to provide city planners and government officials with urban planning tools for quality growth. As the population increases throughout the state, it is increasingly important to protect sensitive lands, meet housing needs, make communities safe and to promote water conservation.

Wetlands, agricultural land, wildlife habitat and riparian areas should all be protected from development. A community will benefit from open space and should protect sensitive areas for wildlife, preserving ground-water quality and to preserve farming.

A person has different housing needs as they pass through different life cycles. A college student may rent an apartment, a family prefers single-family homes and a retired couple may want a condominium to avoid yard work and home maintenance. It is important for a community to provide all types of housing to

meet the needs of the community. If Envision Utah tools are utilized, all types of housing can exist in the same community provided that the builders and architects pay attention to the aesthetic appeal of homes, condo's and apartment buildings.

Water conservation will become a necessary way of life as the population increases. 67% of the total public water supply, including secondary water, is consumed for residential use. Of that amount, 33% is used for indoor use and 67% or 144 gallons per capita per day (gpcd) is used to water lawns and gardens. If we learn to water wisely and utilize drought-resistant landscaping, we can delay the expense of expanding existing water facilities, conserve energy as less water is treated and pumped to consumers, and reduce chemicals and sediment eroding into streams and aquifers through storm drains.

Anyone interested in conservation information can contact the Utah Division of Water Resources.

Farm Bureau Challenges Court Ruling in Clean Water Act Case

In mid July the American Farm Bureau (AFB) joined the California Farm Bureau (CFB) Federation in filing a petition seeking a rehearing of a significant water quality case.

A ruling by the Ninth Circuit Court of Appeals allows the US Environmental Protection Agency "a breath-taking assertion of power" beyond what is authorized by federal law, according to the petition.

"If the ruling stands, EPA will have greatly expanded authority beyond the letter and intent of the Clean Water Act (CWA)," said American Farm Bureau Federation President Bob Stallman. "This would cost farmers and ranchers financial resources they cannot afford to lose."

Farm Bureau documents assert that the court's ruling is inconsistent with the CWA and mandates a result opposite its own precedent. The petition points out other appeals court rulings of the 9th Circuit that are "contrary to the inventive reading of the CWA adopted by the panel here."

The court ruled May 31 that federal limits on water pollution, called Total Maximum Daily Loads (TMDLs), apply to non-point

sources (NPS) of pollution, including agriculture, even though the CWA restricted federal TMDL regulation to point source pollutants, or end of pipe discharges only.

NPS pollution can come from several sources, including suburban lawns, forests, farms, and rural lands. It is often difficult to measure. Farm Bureau argues that is the very reason Congress intended that direct federal regulation under TMDLs apply to point source pollutants only. Point source pollutants, which include mostly industrial and municipal waste, can be measured and controlled with more precision. NPS is managed by states under a separate section of the CWA.

AFB and CFB joined with the Mendocino County Farm Bureau and Mendocino landowners Guido and Betty Pronsolino in filing the petition. The Pronsolinos could face more than \$1 million in losses for their properties in the Garcia River watershed as a result of the court ruling. Even though the river is affected by NPS pollution only, the ruling would allow EPA to require the State of California to restrict the landowners' permits for logging and farming.

Call for Nominations: Annual Utah NPS Awards

Water Quality Awards will again be presented at Utah's annual NPS conference in September. This is a wonderful opportunity to acknowledge those around our state who are making significant contributions to protect and improve water quality.

We are soliciting nominations for these awards. We encourage you to forward to us the names and accomplishments of those you feel are deserving of these awards. Please consider nonpoint source pollution and water quality issues in its broadest context: agricultural impacts, urban impacts, wildlands, riparian, and watershed or regional efforts.

We anticipate presenting awards to individuals involved in watershed or special water quality projects, to teachers or other educators, and to group or institutional efforts. Cash and non-cash (recognition) awards will be given.

Nominating letters do not need to be elaborate. We ask that you consider the following criteria in making your nominations:

**In nominating individuals, please consider the following criteria:**

- Have their actions led to the reduction of NPS pollution, either through teaching, example or by direct action?
- Have they taken leadership roles in watershed projects, statewide or within their organization or community?
- Have they been a role model for others?
- Have their methods brought

new understanding or innovative ideas to Utah's NPS efforts?

**For group or institution awards, please consider:**

- Has their program or institution led to the reduction of NPS pollution, either through a better understanding of NPS pollution, or through direct actions taken to reduce pollution?
- Is the program or institutional approach innovative?
- What sector of Utah's citizen's are reached by this program?

Nominations should identify the individual, their organization affiliation (if any), and their activity or activities which deserve recognition. Please submit a short (1 page or less) synopsis of why you are nominating them. Identify the geographic area they have impacted, the type of NPS pollution they have addressed, in what ways their actions are innovative, and any other supporting information. Feel free to include letters from others in support of the nomination.

Submit all nominations to: Nancy Mesner, Department of Aquatic, Watershed and Earth Resources. Utah State University Logan, UT 84322-5210

Thank you for your attention to this. We feel fortunate to have the opportunity to acknowledge fine work in the area of NPS pollution control and want these awards to reflect the wide range of efforts underway in our state.

Call for Applications: EPA Smart Growth Awards

The U.S. Environmental Protection Agency (EPA) is pleased to announce that application are now being accepted for the first National Award for Smart Growth Achievement. This competition is open to local or state governments and other public sector entities that have successfully created smart growth.

Smart growth is development that serves the economy, the community and the environment. Smart growth development approaches have clear environmental benefits including air and water quality, greater preserva-

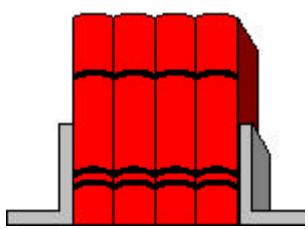
tion of critical habitat and open space, and more clean up and re-use of brownfield sites.

Applications will be accepted in four categories: 1) Built Projects; 2) Policies and regulations; 3) Community Outreach and Education; and 4) Overall Excellence in Smart Growth.

Interested parties from urban, suburban, and rural areas are encouraged to submit applications for smart growth activities undertaken within the past three years.

Applications are due August 30. Visit: [www.epa.gov/smartgrowth/awards.htm](http://www.epa.gov/smartgrowth/awards.htm)





# Learning About Our Water



## "WOW" Utah 2002 Camps A Success

After two seasons in Utah more than 800 young people have now taken part in the Wonderful Outdoor World program.

For some of the 8-12 year-olds the camping, outdoor recreation and natural resource stewardship skills they learn during the 24-hour camp are nothing new. But for most of the campers--inner city children--this is their first camping experience.

That's one reason the camps take place in city parks near where the kids live.

"The idea is that it's less threatening to the kids to camp for the first time close to home," said Troy Bennett, program director, Utah Federation for Youth.

Some of the young people who participate have never been in nearby canyons on a day visit, let alone an overnight campout, Bennett added.

WOW is a program that is going on in several cities throughout the U.S. including Los Angeles, Phoenix, and Washington D.C. This year one of the D.C. area campouts took place on the White House lawn and President George W. Bush attended

for a short time.

In Utah, WOW looks somewhat different than in other areas.

The Utah Federation for Youth is the only non-profit organization serving as a WOW lead sponsor. In other parts of the country local cities or federal land management agencies are in charge. Utah WOWs are also conducted in four cities, rather than just one city within the state. This year Utah had WOWs in Salt Lake City, South Salt Lake, Farmington and St. George.

However, many aspects are still the same. Each camper leaves the camp with a new sleeping bag, flashlight and a lot of knowledge about camping, being in the great outdoors, and taking care of the environment.

Each camp features guest presenters from local agencies and groups who teach the young people about fishing, safety, leaving no trace at campsites, bird watching, star gazing and water quality.

Each year the Utah National Guard brings its climbing wall to as many camps as possible. The Guard's



Each year the Drug Demand Reduction unit of the Utah National Guard brings out its climbing wall to the WOW camps. The message on the wall is "Reach for a natural high." That is the concept behind Utah's version of WOW camps.



Heather Rasband, Salt Lake County Extension, teaches campers about fresh food. She tries to make the connection for the urban kids that food in the grocery store starts at farms and ranches. Campers usually leave her presentation with their own plant.

Drug Demand Reduction unit members who run the wall remind the young people to "reach for a natural high."

"That's the idea behind WOW, as far as we're concerned," said Kari Cutler, director, Utah Federation for Youth. "That's the reason this program is a good fit for the federation."

Cutler and the federation have been using natural resource stewardship, such as stream bank restoration, tree planting and trail building as "healthy alternatives" to drugs and violence for young people.

While this harder labor is a part of an annual federation-sponsored youth

leadership camp for teenagers, called PeaceTrees, camping seemed like a good way to teach younger children--8-12 year olds--about connecting with nature.

This year ten youth camps were held, followed by one family camp at Snowbird ski resort.

For more information about WOW, PeaceTrees, or any of the other Utah Federation for youth programs, go to their web site at [ufyi.org](http://ufyi.org).



# Community-based Watershed Activities



## Trail System Proposed for Washington County

The Virgin River Land Preservation Association and Washington County are leading an effort to develop a trail system through the county that follows the Virgin River, the Santa Clara River and Ash Creek.

The Three Rivers Trail, as its being called, will run from Zion National Park on the east to Gunlock Reservoir on the West. The alignments of the trail system will be determined based on voluntary approval by the affected property owners. Each of

the 11 incorporated cities and towns along the trails, along with the Shivwits Band or the Paiute Tribe will be responsible for planning trail segments within their boundaries.

The trails will be for non-motorized use and will connect parks, scenic areas, historic sites, and other people and places along its approximately 80 mile route. The trail plan will be part of the overall Virgin River Management Plan and will be constructed in increments over the next approximately 10 years.



The trail will run paralell with part of three Washington County waterways.

## Hidden Hollow Celebrates Anniversary



Girl scouts from Troop 1233 take a moment out from planting wild flowers to pose for a picture around the amphitheatre near the stream.

By Lynne Olson

Utah Open Lands Conservation Association hosted a free summer festival at Hidden Hollow Natural Area in June, to introduce new visitors to the historic urban park. The event marked the second year since Salt Lake City granted a conservation easement on the Hollow to Utah Open Lands. The easement was granted to ensure that the Hollow would be protected for future generations from any threat of development or careless land use decisions.

Approximately one-hundred people attended the Saturday event, and many of them were first-time

visitors to the Hollow. Shoppers from the nearby stores were attracted by the music at the plaza next to the Hidden Hollow pond. Acoustic guitarists Ben Martin and Stephanie Croff/Baird played throughout the day, alternating with dancers from Capoeira Brazilian Martial Arts. Three jazz and rock bands played at the main stage by the amphitheater, including Louie and the Lounge Lizards and Steve Wesson. Tina Rowell of Jack's Drum and Guitar Shop arranged for the entertainment. All of the performers donated their services, and the sound equipment was supplied by Jack's Drum and Guitar Shop.

The theme for the celebration was

Water Conservation Education. Many visitors came to collect information about conserving water in their homes and yards. Nine displays were arranged along the sidewalk from the plaza to the main stage at the amphitheater. Exhibitors offered practical advice, helpful resources, or free water saving devices to help people cope with this year's drought. The exhibitors included Utah Department of Water Resources; Sprague Branch Library, TreeUtah, Utah Society for Environmental Educations, Westminster College, Parley's Rails, Trails and Tunnels Coalition, Parley's Creek Water Users Association, and Friends of Hidden Hollow. Wendy Fisher, Catherine Cargill, and Gena Howald from Utah Open Lands Association provided information about their work to conserve open spaces throughout the state, and Lisa Romney came from Mayor Anderson's office to talk about Salt Lake City's water conservation efforts. Girl Scouts from Troop 1233 planted native wildflowers in the meadow around the amphitheater. They had grown the plants from seed as a Bronze Star project. In addition, the Scouts have been raising money to plant trees in the Hollow to replace some specimens that have died.

A silent auction and raffle were held to benefit Utah Open Lands' Stew-

ardship activities at Hidden Hollow. Auction items were donated by Sundance Catalog Outlet Store, Sugar Post Pottery and Metal, Sterling Furniture, Lyn's Nail Salon and Gerri's Hairstyling. Petco Inc. and Rubio's Baja Grill supplied free gifts for all celebration visitors. The event raised \$255 for Utah Open Lands.

*Friends of Hidden Hollow* is a volunteer group organized to participate in stewardship programs for maintenance, management, and education in the natural area. Tricia Stocking organized two Friends' cleanup parties to prepare for the June celebration. Volunteers picked up litter, painted benches, and cleared deadfall from the sidewalks and stream banks.

Hidden Hollow Natural Area is owned by Salt Lake City Corporation, and is maintained by the SLC Public Services/Parks Division. Under the supervision of Troy Baker, City workers cleared debris from the stream, trimmed vegetation near fountains, signs, and benches, trimmed and swept the sidewalks. They removed dead spruce trees near the south gate, picked up brush and litter collected by the volunteers, and made sure the garbage cans were emptied before the celebration event.

# Utah NPS Conference Set for Vernal



**2002 Utah Nonpoint Source Water Quality Conference**  
Western Park Convention Center, 300 East 200 South, Vernal, UT September 24-26, 2002

## Agenda

Conference Package	
Conference & Tour	\$85.00
Barbecue	\$15.00
	<b>\$100.00</b>
<small>(Source rates listed on registration form)</small>	

### *"From the Watershed to the Water Faucet"*

**Monday, September 23      Various Board and Committee Meetings**

8 to 10 a.m.	Utah Association of Conservation Districts Board of Directors Meeting
10 to 12 noon	Partners Meeting
1 to 2 p.m.	Joint - Soil Conservation Commission and Water Quality Board Meeting
2 to 5 p.m.	Utah Soil Conservation Commission Meeting
2 to 5 p.m.	Utah Water Quality Board Meeting

Registration: 1:00 p.m. to 5:30 p.m.      2002 Utah Nonpoint Source Water Quality Conference

**Tuesday, September 24      NPS Water Quality Conference**

6:30 to 7:45 a.m.	Buffet Breakfast and Registration	
8:00 to 10:30 a.m.	<b>General Session</b> <b>Introductions:</b> George Hopkin, Chairman, NPS Conference Committee	
	<ul style="list-style-type: none"><li>- Welcome</li><li>- EPA Region VIII</li><li>- 30th Anniversary of the Clean Water Act</li><li>- Safe Drinking Water Act</li></ul>	<ul style="list-style-type: none"><li>Cloyd Harris, County Commissioner</li><li>Robbie Roberts, EPA Region 8 Administrators</li><li>Don Ostler, DEQ</li><li>Kevin Brown, DEQ</li></ul>
10:30 to 11:00 a.m.	Break (provided)	
11:00 to 12:00 noon	<b>General Session (continued) Panel Discussion</b> <ul style="list-style-type: none"><li>- Clean Water Act</li><li>- Safe Drinking Water Act</li><li>- Local Perspective</li></ul>	<ul style="list-style-type: none"><li>Don Ostler, DEQ</li><li>Kevin Brown, DEQ</li><li>Brian Harris, Jordan Valley Water Conservancy District</li></ul>
12:00 to 1:30 p.m.	Buffet Lunch and presentation of Water Quality Awards	
1:30 to 2:30 p.m.	Presentation on Automated Geographic Resource Center. AGRC serves as a clearinghouse to collect, organize, and distribute all geographic data for the State of Utah.	Joe Borgione, AGRC
2:30 to 3:00 p.m.	Break (provided)	



## **2002 Utah Nonpoint Source Water Quality Conference**

Western Park Convention Center, 300 East 200 South, Vernal, UT September 24-26, 2002

3:00 to 4:00 p.m. **Breakout Session I (45 min. presentations & 15 min. QA)**

Room A	- East Canyon SVAP	Shane Green, NRCS
B	- PSIAC Rangeland Salinity	Bob Rasely, NRCS
C	- NPS Media Tool Box	Jack Wilbur, UDAF

Adjourn: Dinner on your own

### **Wednesday, September 25**

6:30 to 7:45 a.m. Buffet Breakfast and Registration

8:00 to 9:00 a.m. **Breakout Session II (45 min. presentations & 15 min. QA)**

Room A	- SARE Program	Phil Rasmussen, USU
B	- AFO Success Story	Niels Hansen and Larry Young, NRCS
C	- Nitrogen and Phosphorus Balances for Dairies in Utah & Idaho	Allen Young, USU Extension Service

9:00 to 9:30 a.m. Break (provided)

9:30 to 10:30 a.m. **General Session**  
Colorado Salinity Program Jack Barnett, CO River Basin Salinity Control Forum  
PAWS-On Sue Wight, RC&D, NRCS

10:30 to 11:00 a.m. Tour — Load Busses  
Box lunch and break provided on tour

4:00 to 4:30 p.m. Return from Tour

6:30 p.m. **Barbecue** — Catered by Society for Range Management (SRM)  
Location: Remember the Maine Park (Check at the registration desk for a map)

### **Thursday, September 26**

6:30 to 7:45 a.m. Buffet Breakfast

8:00 to 9:00 a.m. **Breakout Session III (45 min. presentations & 15 min QA)**

Room A	- Drinking Water Source Protection	Bob Lowe, DEQ
B	- Lake TMDLs	Jerry Miller, BOR
C	- Residential Water Waste — Wasatch Front	Earl Jackson, USU Extension

9:00 to 9:30 a.m. Break (provided)

9:30 to 11:30 a.m. **General Session**  
Watershed - Success Stories Moderator: Brian Harris, Jordan Valley Water Cons. Dist.  
Jay Pitkin D/WQ  
Penny Trino, UACD  
John Whitehead, D/WQ  
Ray Loveless, UACD

Adjourn

*2002 Utah Nonpoint Source Water Quality Conference*

Vernal, UT — Western Park Convention Center, 300 East 200 South — September 24-26, 2001

**Registration Form**

(Please print)  
Name \_\_\_\_\_ Title \_\_\_\_\_  
Organization \_\_\_\_\_  
Companion's Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone \_\_\_\_\_ FAX \_\_\_\_\_ E-mail \_\_\_\_\_  
Special physical or dietary needs \_\_\_\_\_

Conference & Tour	\$85.00	No. _____	@ \$85.00
Barbecue	\$15.00	No. _____	@ \$15.00 _____
Tour only (Spouse or guest)	\$10.00	No. _____	@ \$10.00 _____
Awards Luncheon only (Spouse or guest)	\$10.00	No. _____	@ \$10.00 _____
Late Fee for all registrations postmarked after September 9, 2002			@ \$10.00 _____

**Total**      \$ \_\_\_\_\_

Make checks payable to: **Utah Association of Conservation Districts (UACD)**

Mail Registration Form to:  
Virginia Sligting  
NPS Conference  
C/O Utah Department of Agriculture & Food  
P. O. Box 146500, Salt Lake City, UT 84114-6500